Index of Claims

| App | licatio | n/Control | No. |
|-----|---------|-----------|-----|
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10/822,419

Examiner

Phillip Gray

Applicant(s)/Patent under Reexamination

CHANG, YU-CHUNG

Art Unit

3767

Rejected Allowed

(Through numeral) Cancelled ÷

Restricted

Non-Elected N ı Interference

Appeal Α 0 Objected

|          |  |   |          |              |          |              |              |                    |              | _               |  |  |  |
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| Cla      | im_  | Date  |          |              |          |              |              |                    |              |                 |  |  |  |
| <u></u>  | nal  | 90  |          |              |          |              |              |                    |              |                 |  |  |  |
| Final    | Original   | 4/30/06   |          |              |          |              |              |                    |              |                 |  |  |  |
|          |  |   | _        |              |          | _            |              |                    | _            | $\vdash$        |  |  |  |
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|          | 2  | 1   |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 4  | 1   |          | _            |          |              |              |                    |              |                 |  |  |  |
|          | <u>4</u><br>5  | 4444  |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 6  | 7   |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 7  | 1   |          | П            |          |              |              |                    |              |                 |  |  |  |
|          | 8  | Ν   |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 9  | N   |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 10   | Z   |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 11   | N   |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22 | N   |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 13   | N   |          | _            |          | Ш            | $\Box$       |                    | <u> </u>     |                 |  |  |  |
|          | 14   | N   |          |              |          |              |              |                    |              | Ш               |  |  |  |
|          | 15   | N   |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 16   |   |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 17   | $ldsymbol{ld}}}}}}$ |          | <u> </u>     |          | Ш            |              |                    |              | Ш               |  |  |  |
|          | 18   | L   | L_       | ļ            |          |              |              |                    |              | Ц               |  |  |  |
|          | 19   |   |          | <u> </u>     | _        | L            | _            |                    |              | Щ               |  |  |  |
| <u> </u> | 20   |   |          | L.           |          | _            |              |                    |              | Ш               |  |  |  |
| <u> </u> | 21   | <u> </u>  |          | ļ            | <u> </u> | ļ            | _            |                    | <u> </u>     | Ш               |  |  |  |
| <u> </u> | 22   | <b>!</b>  |          |              | _        | <u> </u>     | _            |                    | ├            | H               |  |  |  |
|          | 23<br>24<br>25   | _   |          | <u> </u>     |          | -            | _            | _                  | <del> </del> | Н               |  |  |  |
|          | 24   | -   | -        |              |          |              |              |                    | ├            | Н               |  |  |  |
|          | 26   | -   | -        | -            |          |              |              |                    | _            | H               |  |  |  |
| <b>-</b> | 26<br>27<br>28<br>29   | -   | -        |              |          |              | _            |                    | $\vdash$     | Н               |  |  |  |
|          | 28   | -   | ⊢        | <del></del>  |          |              |              |                    | $\vdash$     | Н               |  |  |  |
|          | 29   | ╁╌  | _        |              |          |              |              |                    |              | Н               |  |  |  |
|          | 30   |   | Н        |              |          |              |              | _                  | $\vdash$     | Н               |  |  |  |
|          | 31   |   |          |              |          | _            | Г            | _                  |              | П               |  |  |  |
|          | 31<br>32   |   |          |              |          |              |              |                    | Γ            | $\sqcap$        |  |  |  |
|          | 33   |   |          | Г            |          |              |              |                    |              |                 |  |  |  |
|          | 34<br>35   |   |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 35   |   |          |              |          |              |              |                    |              |                 |  |  |  |
|          | 36   | L   | Ĺ        | L            |          |              |              |                    |              |                 |  |  |  |
|          | 37   |   |          |              |          |              | L            | $oxedsymbol{oxed}$ | <u> </u>     | Щ               |  |  |  |
|          | 38   |   | <u> </u> | L            | <u> </u> | <b> </b> _   | <u> </u>     |                    | L_           | Ш               |  |  |  |
|          | 39   | _   |          | <u> </u>     | L        | L            | <u> </u>     | <u> </u>           | <u> </u>     | Щ               |  |  |  |
| <u> </u> | 40   | <u> </u>  | _        | <u> </u>     |          | <u> </u>     | <u> </u>     | <u> </u>           | <u> </u>     | Ш               |  |  |  |
|          | 41   | <u> </u>  | _        | <u> </u>     | <u> </u> | <u> </u>     | <del> </del> | <u> </u>           | <u> </u>     | Ш               |  |  |  |
|          | 42   | ļ   | <u> </u> | <u> </u>     | <u> </u> | <u> </u>     | ├—           | <u> </u>           | ├-           | Н               |  |  |  |
| ļ        | 43   | -   | _        | <u> </u>     | <u> </u> | <u> </u>     | ├            | <u> </u>           | $\vdash$     | Н               |  |  |  |
| <u> </u> | 44   | <u> </u>  | ├-       | <del> </del> | <u> </u> | <del> </del> | ├            | <u> </u>           | <u> </u>     | $\vdash \vdash$ |  |  |  |
|          | 45   | -   | ⊢        | ⊢            | <u> </u> | $\vdash$     | $\vdash$     |                    |              | $\vdash \vdash$ |  |  |  |
| <u></u>  | 46<br>47   | $\vdash$  | $\vdash$ | <del> </del> | -        |              |              | $\vdash$           | -            | $\vdash$        |  |  |  |
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| -        | 48   | +-  | -        | $\vdash$     | ├-       | ├-           | $\vdash$     |                    | ⊢            | $\vdash \dashv$ |  |  |  |
| <u> </u> | 50   | -   | -        | -            |          | ├-           | ┝            | $\vdash$           |              | $\vdash$        |  |  |  |

| `la      | im       |          |  |  | Г  | Date   |              |          |          |  |    | Cla       | im       |          |        | _      | Г | ate      | •        |          |          |          |
|----------|----------|----------|--|--|----|--|--------------|----------|----------|--|----|-----------|----------|----------|--------|--------|---|----------|----------|----------|----------|----------|
| <u> </u> |          |          |  |  | ٦į |  |              |          |          |  |    | _ <u></u> |          | Т        |        |        | Ť |          |          |          |          | ᅥ        |
| .        | ıal      | 9        |  |  |    |  |              |          |          |  |    | <u> </u>  | ם        |          |        |        |   |          |          |          |          | l        |
|          | Original | 4/30/06  |  |  |    |  |              |          |          |  |    | Final     | Original | l        |        |        |   |          |          |          | į        |          |
| ٠ ا      | ō        | 4/       |  |  |    | li   |              |          |          |  |    | ╙         | ŏ        |          |        |        |   |          |          |          |          |          |
| 4        |          | _        |  |  | _  |  |              |          |          |  |    |           |          | 4        | _      | _      |   | _        |          | _        |          | $\dashv$ |
| _        | 1        | 1        |  |  |    | $\Box$   |              |          |          |  |    |           | 51       | _        | _      | _      |   |          |          | _        |          |          |
|          | 2        | 1        |  |  |    |  |              |          | Щ        |  |    |           | 52       | _        |        |        |   |          |          |          |          | ᆜ        |
|          | 3        | 1        |  |  |    |  |              |          |          |  |    |           | 53       | _        |        | _      |   |          |          | $\Box$   |          | _        |
|          | 4        | 1        |  |  |    |  |              |          |          |  |    |           | 54_      | _        |        | _      |   |          |          |          |          |          |
|          | 5<br>6   | 1        |  |  |    |  |              |          |          |  |    |           | 55       |          | $\Box$ |        |   |          |          |          |          |          |
|          | 6        | 7        |  |  |    |  |              |          |          |  |    |           | 56       |          |        |        |   |          |          |          |          | ┙        |
|          | 7        | 1        |  |  |    |  |              |          |          |  |    |           | 57       |          |        |        |   |          |          |          |          | _        |
|          | 8_       | Z        |  |  |    |  |              |          |          |  |    |           | 58       |          |        |        |   |          |          |          |          |          |
|          | 9        | z        |  |  |    |  |              |          |          |  |    |           | 59       |          |        |        |   |          |          |          |          |          |
|          | 10       | N        |  |  |    |  |              |          |          |  |    |           | 60       |          |        |        |   |          |          |          |          |          |
|          | 11       | N        |  |  |    |  |              |          |          |  |    |           | 61       |          |        |        |   |          |          |          |          |          |
|          | 12       | N        |  |  |    |  |              |          |          |  |    |           | 62       |          |        |        |   |          |          |          |          | $\neg$   |
|          | 13       | Ν        |  |  |    |  |              |          |          |  |    |           | 63       |          | $\neg$ |        |   |          |          |          |          |          |
|          | 14       | N        |  |  |    |  |              |          |          |  |    |           | 64       |          | $\neg$ |        | _ |          |          |          |          |          |
| 7        | 15       | N        |  |  |    |  |              | _        |          |  |    |           | 64<br>65 |          |        |        | _ |          |          |          |          | $\dashv$ |
| _        | 16       | Ë        |  |  |    |  |              |          |          |  |    |           | 66       | $\neg$   |        |        |   |          |          |          | 一        | ᅥ        |
| -        | 17       |          | -  |  |    |  |              | _        |          | -  |    |           | 67       |          |        |        |   |          |          |          |          | $\dashv$ |
|          | 18       |          |  |  |    | H  |              |          |          |  |    |           | 68       |          |        | $\neg$ | _ |          |          |          | $\dashv$ | $\neg$   |
| -        | 19       |          |  |  |    | -  |              | $\vdash$ |          | $\vdash$   |    |           | 69       |          |        |        |   | -        |          | -        | -        |          |
|          | 20       |          |  |  |    | $\vdash$   | -            |          |          | $\vdash$   |    |           | 70       |          | _      |        |   |          |          |          | -        |          |
| _        | 21       |          |  | -  |    | -  |              |          |          | $\vdash$   |    |           | 71       | $\vdash$ |        | _      |   |          |          |          |          | _        |
| _        | 27       |          |  |  | _  |  | _            |          | $\vdash$ | $\vdash$   |    |           | 72       |          |        |        |   |          | _        | -        |          |          |
| _        | 22<br>23 | <u> </u> |  |  |    | ├  | <del> </del> |          | -        | <del> </del>                                     |    | _         | 73       | $\dashv$ |        |        |   |          | $\vdash$ | $\vdash$ | -        | $\dashv$ |
| _        | 23       |          | -  | -  |    | -  | _            | _        | -        | ⊢  | '  |           | 74       | $\dashv$ |        |        |   |          |          |          | =        | $\dashv$ |
| _        | 24       | _        | _  |  |    | $\vdash$   |              | _        |          | <u> </u>   |    |           | 74       | -        | _      |        |   | -        |          | $\vdash$ |          | $\dashv$ |
| _        | 25       |          | <u> </u>   | -  |    | -  |              |          |          | _  |    |           | 75       | -        |        |        |   | $\vdash$ | $\vdash$ | -        |          | ᅴ        |
|          | 26       |          | <u> </u>   |  | _  | _  | _            | -        | $\vdash$ | <u> </u>   |    |           | 76       | -        |        |        |   | _        |          | _        |          | $\dashv$ |
|          | 27       | <u> </u> | <u> </u>   |  |    | _  |              |          |          | <u> </u>   |    |           | 77       |          |        |        |   |          | _        | _        |          | $\dashv$ |
| _        | 28<br>29 | _        | <u> </u>   |  |    |  |              | _        | ļ        | ļ  |    |           | 78       | _        |        |        |   |          | _        | _        | $\Box$   | -        |
| _        | 29       | _        | L  |  | !  |  | L            |          | _        | <u> </u>   |    |           | 79       | $\dashv$ |        |        |   |          | L        |          |          | $\dashv$ |
|          | 30       |          | <u> </u>   |  |    |  | _            | _        |          | <u> </u>   |    |           | 80       |          |        |        |   |          | <u> </u> | Щ        |          | Щ        |
|          | 31       | L_       |  |  |    |  |              | <u> </u> | _        | L  |    |           | 81       |          |        |        |   | <u> </u> | <u> </u> |          |          | _        |
|          | 32       | <u> </u> |  | _  |    |  |              | <u> </u> |          | _  |    |           | 82       | Ш        |        |        |   |          |          |          |          |          |
|          | 33<br>34 | _        | $oxed{oxed}$                                     | $oxed{oxed}$                                     |    |  | _            | _        |          |  | Į  |           | 83       |          |        |        |   | <u> </u> | ļ        | _        |          |          |
|          | 34       |          |  | _  |    | _  |              |          |          |  |    |           | 84       | Ш        |        |        |   | <u> </u> | _        | _        |          |          |
|          | 35       |          | _  |  |    |  | L            | <u> </u> |          |  |    |           | 85       |          |        |        |   | ļ        | L        |          |          |          |
|          | 36       | L_       | L  | L  |    | _  |              |          |          |  |    |           | 86       |          |        |        |   |          | L_       |          |          |          |
|          | 37       |          |  |  |    |  |              | _        | L        | L  | Į  |           | 87       |          |        |        |   | <u>_</u> | _        | _        |          |          |
|          | 38       |          | L  |  |    | _  | L            |          |          |  | ļ  |           | 88       |          |        |        |   | <u> </u> | L_       |          |          |          |
|          | 39       |          |  |  | L  | L  |              |          |          |  |    |           | 89       |          |        |        |   | <u> </u> |          |          |          |          |
|          | 40       |          |  |  |    |  |              |          |          |  |    |           | 90       |          |        |        |   |          |          |          |          |          |
|          | 41       |          |  |  |    |  |              |          |          |  |    |           | 91       |          |        |        |   |          |          |          |          |          |
|          | 42       |          |  |  |    |  | L            |          | Ĺ        |  |    |           | 92       |          |        |        |   |          | Ĺ        |          |          |          |
| _        | 43       | Ī        |  |  |    |  |              |          |          |  |    |           | 93       |          |        |        |   | ચ        |          |          |          |          |
|          | 44       |          |  |  |    |  |              |          |          |  |    |           | 94       |          |        |        |   |          |          |          |          |          |
|          | 45       |          | Ι_   | Г  |    |  |              |          |          |  |    |           | 95       |          |        |        |   |          |          |          |          |          |
|          | 46       |          |  |  |    | Г  |              |          | Г        |  |    |           | 96       |          |        |        |   |          |          |          |          |          |
|          | 47       | Г        | $\Box$   | Г  |    |  |              | Г        |          |  | i  |           | 97       |          |        |        |   |          |          | Γ        |          |          |
| _        | 48       | $\vdash$ |  | Г  | Г  |  |              | Г        |          |  | ١. |           | 98       | П        |        |        |   | Г        |          |          |          |          |
| _        | 49       | $\vdash$ |  | Т  | _  | T  |              |          | Г        |  |    | -         | 99       |          |        |        |   | Г        |          |          |          |          |
| _        | 50       |          | <del>                                     </del> | <del>                                     </del> | _  | <del>                                     </del> |              | Т        | T        | <del>                                     </del> |    |           | 100      | $\vdash$ |        |        |   | $\vdash$ |          |          | $\Box$   | $\dashv$ |
| _        |          | _        | _  |  | _  | Ь  | _            | Ь        |          |  | ,  |           |          |          | Щ.     |        | _ | _        | <b></b>  | •        | لـــا    | ш        |

| Cla      | Date   |                   |          |              |          |          |  |              |          |                 |
|----------|--|-------------------|----------|--------------|----------|----------|--|--------------|----------|-----------------|
| Final    | Original   |                   |          |              |          |          |  |              |          |                 |
|          | 101  |                   |          |              |          |          |  |              |          |                 |
|          | 102  |                   |          |              |          |          |  |              | _        | Ш               |
|          | 103  |                   |          |              |          |          |  |              | L        | Ш               |
|          | 104  | _                 | _        |              | _        |          | _  | <u> </u>     |          | Щ               |
|          | 102<br>103<br>104<br>105<br>106                                    | _                 |          |              | _        |          | <u> </u>   | <u> </u>     | <u> </u> | Н               |
|          | 106  | <u> </u>          | <u> </u> | _            | _        |          | <u> </u>   | <u> </u>     | <u> </u> | $\vdash$        |
|          | 107  | $\vdash$          | _        | H            | _        | -        | ⊢  | ┝            | ┝        | Н               |
|          | 100  | -                 | _        | _            |          |          | $\vdash$   | $\vdash$     | -        | Н               |
|          | 110  | -                 |          | _            | -        |          |  |              |          | Н               |
|          | 108<br>109<br>110<br>111<br>112                                    | -                 |          | _            | -        | $\vdash$ | $\vdash$   | -            | -        | Н               |
|          | 112  |                   | _        |              | _        | H        | <del> </del>                                     | -            | -        | H               |
|          | 113  | -                 |          |              | $\vdash$ | $\vdash$ | _  | _            | -        | Н               |
|          | 113<br>114<br>115  | <u> </u>          | _        |              | _        | Г        |  |              | Г        | П               |
|          | 115  | $\Box$            |          |              |          |          |  |              |          |                 |
|          | 116<br>117<br>118<br>119   |                   |          |              |          |          |  |              |          |                 |
|          | 117  |                   |          |              |          |          |  |              |          |                 |
|          | 118  |                   |          |              |          | <u> </u> | L  |              |          |                 |
|          | 119  |                   | _        |              | _        |          |  | <u> </u>     |          | Ш               |
|          | 120  |                   | _        |              | <u> </u> |          | <u> </u>   | <u> </u>     | <u> </u> |                 |
|          | 121  | _                 | <u> </u> |              | <u> </u> | <u> </u> |  |              | <u> </u> |                 |
|          | 122  |                   | ļ        | _            | <u> </u> | <u> </u> | <u> </u>   | <u> </u>     | _        |                 |
|          | 123  |                   | <u> </u> | -            | ├—       | $\vdash$ | $\vdash$   | ⊢            | ⊢        | $\vdash$        |
|          | 125  | _                 | ├─       | -            | ├        | ├        | $\vdash$   | $\vdash$     | $\vdash$ | Н               |
|          | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 | -                 | ┝        | $\vdash$     | ┝        | $\vdash$ | -  | -            | -        | $\vdash$        |
|          | 127  |                   | H        | $\vdash$     | $\vdash$ | ┢        | <del>                                     </del> |              | <u> </u> | H               |
|          | 128  |                   | $\vdash$ |              | $\vdash$ |          |  | Ι-           | $\vdash$ | М               |
|          | 129  |                   |          |              |          |          |  | Г            | Г        | П               |
|          | 130  |                   | П        |              |          |          |  |              |          |                 |
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|          | 132  |                   |          |              |          |          |  |              | L        |                 |
|          | 133  | <u> </u>          | <u> </u> | <u> </u>     | <u> </u> | L        | _  | _            | _        | Ш               |
|          | 131<br>132<br>133<br>134   | <u> </u>          |          | _            |          | <u> </u> | <u> </u>   | <u> </u>     | _        | Щ               |
|          | 135  | $\vdash$          | <u> </u> | <u> </u>     | $\vdash$ | <u> </u> | <u> </u>   | ├_           | ┡        | dash            |
|          | 135<br>136<br>137<br>138   | ├                 | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | -  | $\vdash$     | $\vdash$ | $\vdash \vdash$ |
|          | 138  | ├─                | $\vdash$ | <del> </del> | -        | ┢        | $\vdash$   | ⊢            | -        | $\vdash \vdash$ |
|          | 139  | $\vdash$          | -        | $\vdash$     |          | $\vdash$ | -  | $\vdash$     | $\vdash$ | $\vdash \vdash$ |
|          | 140  |                   | T        | $\vdash$     | T        |          |  |              | H        | Н               |
|          | 141  | Г                 |          |              | <u> </u> | Γ        |  |              | Г        | П               |
|          | 142  |                   |          |              |          |          |  |              |          |                 |
|          | 143  |                   |          |              |          |          |  |              |          |                 |
|          | 144  | $\overline{\Box}$ |          | Ĺ            |          |          |  |              |          |                 |
|          | 145  | <u> </u>          |          | L            | L.       | L.       | <u> </u>   |              |          | Ш               |
|          | 146  | <u> </u>          | _        | ┞            | <u> </u> |          | <u> </u>   | <u> </u>     | 1_       | Щ               |
|          | 147  | <u> </u>          | <u> </u> | <u> </u>     | ļ        | ļ        |  | ļ            | <u> </u> | Ш               |
| <b>.</b> | 148  | <del> </del>      | <u> </u> | -            | <u> </u> | <u> </u> | -  | <del> </del> | <u> </u> | $\vdash \vdash$ |
| <u> </u> | 149  | $\vdash$          | -        | _            | -        | -        |  | $\vdash$     | -        | $\vdash \vdash$ |
| L        | 150  | <u> </u>          | 1        | <b></b>      |          | L        | Щ  | L_           | Ц_       | Ш               |